

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/00495

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04L12/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04L G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 210 632 A (MURAKAMI TOSHIYUKI ET AL) 11 May 1993 (1993-05-11) column 2, line 46-49 column 9, line 7-14 abstract	1,2,4,5, 23-25, 37,38, 40,41, 54-57,66
A	US 5 440 418 A (AOKI SHUSEI ET AL) 8 August 1995 (1995-08-08) abstract	1-82
A	EP 0 935 356 A (NIPPON ELECTRIC CO) 11 August 1999 (1999-08-11) abstract	1-82
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

16 April 2003

Date of mailing of the international search report

30 MAY 2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 093 273 A (FURUKAWA ELECTRIC CO LTD) 18 April 2001 (2001-04-18) column 2, line 30 -column 5, line 25 -----	1-82

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			JP	3072747 A	27-03-1991

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